

9/26/03 IDS
→

PTO/SB/08B (10-01)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Substitute for form 1449B/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Application Number	
(use as many sheets as necessary)		Filing Date	
Sheet	1	of	5
		First Named Inventor	Dempcy, Robert O., et. al.
		Art Unit	
		Examiner Name	
		Attorney Docket Number	

U.S. PATENT DOCUMENTS				
Examiner	Cite No. ¹	Document Number Number Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
1	6,127,121		10/3/00	Meyer, Jr., et al.
2	6,177,190		1/5/93	Meyer, Jr., et al.
3	5,512,667		4/30/96	Reed, et al.
4	09/457,616		12/08/99	
5	5,418,966		5/30/95	Reed, et al.
6	5,801,153		9/1/98	Kulyavkin et al.
7	5,606,251		12/9/97	Arnold, Jr., et al.
8	5,586,481		12/17/96	Arnold, Jr., et al.
9	5,942,010		8/24/99	Nelson, et al.
10	5,730,026		4/7/98	Mullan, et al.
11	3,990,345		12/7/76	Ultman, et al.
12	4,351,760		9/28/82	Klamma et al.
13	5,645,985		7/8/97	Froehler, et al.
14	6,484,998		1/16/96	Froehler, et al.
15	6,492,806		2/20/96	Dimanac, et al.
16	6,525,464		6/11/96	Dimanac, et al.
17	5,550,749		9/17/96	Mitsuhashi, et al.
18	5,824,796		10/20/98	Peltre, et al.
19	5,210,013		5/11/93	Geltand, et al.
20	5,449,767		9/4/95	Ward, et al.
21	6,312,894		11/6/01	Hedgpeth, et al.
22	4,338,930		11/9/82	Falkow et al.
23	4,866,105		9/10/89	Urdea et al.
24	5,124,246		6/23/02	Urdea, et al.
25	4,683,202		7/28/87	Mullis
26	4,683,195		7/28/87	Mullis, et al.
27	4,866,160		1/24/89	Mullis et al.

Duplicates

Examiner Signature	<i>Art Al</i>	Date Considered	08/24/06
--------------------	---------------	-----------------	----------

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231:
WC 9046072 v1

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

→

Substitute for form 1449B/PTO				Complete if Known	
				Application Number	
				Filing Date	
				First Named Inventor	Dempcy, Robert O., et. al.
				Art Unit	
				Examiner Name	
Sheet 2		of 5	Attorney Docket Number		

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Country Code ³	Number ⁴			
DUP	28	WO	96/32496			
DUP	29	WO	92/10588			
DUP	30	WO	96/17957			
DUP	31	WO	99/37086			

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS						
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.				T ²
DUP	32	Chen et al., Nucleic Acids Res., 23:2664-2668 (1995)				
DUP	33	Singh et al., Chem. Comm., 455-456 (1998)				
DUP	34	Wengel J., Acc. Chem Res., 32:301-310 (1998)				
DUP	35	Palissa et al., Z. Chem., 27:218 (1987)				
DUP	36	Nielsen et al., Science 264: 1407-1500 (1994)				
DUP	37	Uhlmann et al., Angew. Chem. Int. Ed., 37:2708-2823 (1998)				
DUP	38	Wiemer, D.E. et al., Current Opinion in Structural Biology, 7:355-361 (1997)				
DUP	39	Walker, W.L. et al., Biopolymers, 44:323-334 (1997)				
DUP	40	Zimmer, C et al., U. Prog. Biophys. Molec. Bio. 47:31-112 (1986)				

Examiner Signature	<i>Ruth CL</i>	Date Considered	08/21/06
--------------------	----------------	-----------------	----------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.
WC 9046072 v1

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Substitute for form 1449B/PTO		<i>→</i>	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Complete if Known	
(use as many sheets as necessary)		Application Number	
		Filing Date	
		First Named Inventor	Dempcy, Robert O., et. al.
		Art Unit	
		Examiner Name	
Sheet	3	of	5
		Attorney Docket Number	

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS				
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		T ²
DUP	41	Reddy, et al., <i>Pharmacol. Therap.</i> 84:1-111 (1999)		
DUP	42	Talon, T.A. et al. <i>Science</i> 289:1757-1760 (2000)		
DUP	43	Balow et al., <i>Nuc. Acid Res.</i> 26:3360-3367 (1998)		
DUP	44	Seela et al., <i>J. Chem. Soc. Perkin Trans.</i> , I:479-488 (1999)		
DUP	45	Ramzaeva et al. <i>Helv. Chim. Acta</i> 80:1809-1822 (1997)		
DUP	46	Vincent et al. <i>J. Org. Chem.</i> , 64:991-997 (1999)		
DUP	47	Beaucage et al., <i>Tetrahedron</i> 48:2223-2311 (1992)		
DUP	48	Seehit, <i>Nucleotide Analogs</i> , John Wiley, New York (1986)		
DUP	49	Uttman et al., <i>Chemical Reviews</i> , 90:343-384 (1990)		
DUP	50	Seela et al., <i>Nucl. Acids Res.</i> , 28:3224-3232 (2000)		
DUP	51	Bulli et al., <i>Nucl. Acids Res.</i> , 24:4660-4667 (1996)		
DUP	52	Sugimura et al., <i>Biochem</i> 34:11211-11216 (1995)		
DUP	53	Santaluca et al., <i>Biochem</i> , 36:10581-10595 (1997)		
DUP	54	Schultz et al., <i>BioTechniques</i> , 27:1218-22 (1999)		

Examiner Signature	<i>Rita Al</i>	Date Considered	08/24/06
--------------------	----------------	-----------------	----------

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

WC 9046072 v1

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Substitute for form 1449B/PTO

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet

4

of

5

Complete if Known

Application Number	
Filing Date	
First Named Inventor	Dempcy, Robert O., et. al.
Art Unit	
Examiner Name	
Attorney Docket Number	

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
DUP	56	Owczarzy et al. <i>Biopolymers</i> , 44:217-239 (1997)	
DUP	56	Geisen et al. <i>Nucleic Acids Res.</i> , 26:5004-5006 (1998)	
DUP	57	Blake et al., <i>Bioinformatics</i> , 15:370-5 (1999)	
DUP	58	Van Ness et al., <i>Nucleic Acids Res.</i> , 19:5143-5151 (1991)	
DUP	59	J. Chromatogr., B. <i>Biomed. Sci. Appl.</i> 739:139-150 (2000)	
DUP	60	Draper et al., <i>Biochemistry</i> 19:1774-1791 (1980)	
DUP	61	Pastinen T. et al., <i>Genome Res.</i> , 10:1031-42 (2000)	
DUP	62	Lyamichev et al., <i>Nature Biotechnol.</i> , 17:293-296 (1999)	
DUP	63	Mueller et al., <i>Histochem. Cell Biol.</i> , 108:431-437 (1997)	
DUP	64	Capaldi et al., <i>Nuc. Acids Res.</i> , 28:E21 (2000)	
DUP	65	Eisen, et al., <i>Methods in Enzymology</i> , 303:170-205 (1999)	
DUP	66	Hacia et al., <i>J. Mol. Genet.</i> , 36:730-736 (1999)	
DUP	67	Smith et al., <i>Int. J. Oncol.</i> , 17:841-850 (2000)	
DUP	68	Zhang et al., <i>Nat. Biotechnol.</i> , 18:862-867 (2000)	

Examiner
Signature*Robert O. Dempcy*Date
Considered

08/24/06

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

WC 9046072 v1

Substitute for form 1449B/PTO				<i>→</i>	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Complete if Known	
(use as many sheets as necessary)				Application Number	
				Filing Date	
				First Named Inventor	Dempcy, Robert O., et. al.
				Art Unit	
				Examiner Name	
Sheet 5		of 5	Attorney Docket Number		

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
DUP	69	Flanagan et al., <i>Nat. Biotechnol.</i> , 14:1139-1145	
DUP	70	Livak et al., <i>PCT Meth. App.</i> 4:357-362 (1995)	
DUP	71	Heid et al., <i>Genome Res.</i> 6:985-994 (1996)	
DUP	72	Taylor et al., <i>Tetrahedron</i> , 48(97):8089-8100 (1992)	
DUP	73	Lohkov, S.G., <i>FEBS Letters</i> 420:134-138 (1997)	
DUP	74	Hall et al., <i>PNAS</i> 97:8272-77 (2000)	

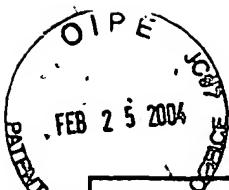
Examiner Signature	<i>Alison Al</i>	Date Considered	08/24/06
--------------------	------------------	-----------------	----------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

WC 9046072 v1



Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Complete if Known	
Sheet	1	of	6	Application Number	10/672,429
				Filing Date	September 26, 2003
				First Named Inventor	Dempcy, Robert O.
				Art Unit	not yet assigned
				Examiner Name	not yet assigned
				Attorney Docket Number	17682A-003650US

U.S. PATENT DOCUMENTS+					
Examiner Initials*	Cite No. ¹	Document Number Number Kind Code ² (if known)	Publication Date MM-DD-YYYY <i>12/02/1999</i>	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
<i>LA</i>	1	09/457,616	n/a	Reed et al.	
	2	3,996,345	12-07-76	Ullman, et al.	
	3	4,351,760	09-28-82	Khanna et al.	
	4	4,358,535	11-09-82	Falkow et al.	
	5	4,683,195	07-28-87	Mullis, et al.	
	6	4,683,202	07-28-87	Mullis	
	7	4,800,159	01-24-89	Mullis et al.	
	8	4,868,105	09-19-89	Urdea et al.	
	9	5,124,246	06-23-92	Urdea, et al.	
	10	5,177,196	01-05-93	Meyer, Jr., et al.	
	11	5,210,015	05-11-93	Gelfand, et al.	
	12	5,419,966	05-30-95	Reed, et al.	
	13	5,449,767	09-12-95	Ward, et al.	
	14	5,484,908	01-16-96	Froehler, et al.	
	15	5,492,806	02-20-96	Drmanac, et al.	
	16	5,512,667	04-30-96	Reed, et al.	
	17	5,525,464	06-11-96	Drmanac, et al.	
	18	5,556,749	09-17-96	Mitsuhashi, et al.	
	19	5,578,467	11-1996	Schuster et al.	
	20	5,585,481	12-17-96	Arnold, Jr., et al.	
	21	5,645,985	07-08-97	Froehler, et al.	
	22	5,696,251	12-09-97	Arnold, Jr., et al.	
	23	5,736,626	04-07-98	Mullah, et al.	
	24	5,801,155	09-01-98	Kutyavin et al.	
	25	5,824,796	10-20-98	Petrie, et al.	
	26	5,869,251	02-1999	Schuster et al.	
	27	5,942,610	08-24-99	Nelson, et al.	
	28	6,084,102	07-2000	Kutyavin et al.	
	29	6,127,121	10-2000	Meyer et al.	
	30	6,143,877	11-2000	Meyer et al.	
	31	6,156,501	12-2000	McGall et al.	
	32	6,312,894	11-2001	Hedgpeth et al.	
	33	6,426,408	07-2002	Kutyavin et al.	
	34	6,683,173	01-2004	Dempcy et al.	

FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		Country Code ³	Number ⁴		
Examiner Signature	<i>Robert O.</i>			Date Considered	<i>08/24/06</i>

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² Kind Codes of U.S. Patent Documents at www.uspto.gov or MPEP 801.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

60137947 v1

OIR
FEB 25 2004
DEPARTMENT OF COMMERCE
U.S. PATENT AND TRADEMARK OFFICE

DEMAILED FEB 25 2004
SUBSTITUTE FOR FORM 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet

2

of

6

Complete If Known

Application Number	10/672,429
Filing Date	September 26, 2003
First Named Inventor	Dempcy, Robert O.
Art Unit	not yet assigned
Examiner Name	not yet assigned
Attorney Docket Number	17682A-003650US

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³	Number ⁴	Kind Code ⁵ (if known)				
R/↓	35	WO	92/10588		06-1992			<input type="checkbox"/>
	36	WO	96/17957		06-1996			<input type="checkbox"/>
	37	WO	96/32496		10-1996			<input type="checkbox"/>
	38	WO	99/37085		07-1999			<input type="checkbox"/>
								<input type="checkbox"/>
								<input type="checkbox"/>
								<input type="checkbox"/>
								<input type="checkbox"/>
								<input type="checkbox"/>
								<input type="checkbox"/>
								<input type="checkbox"/>

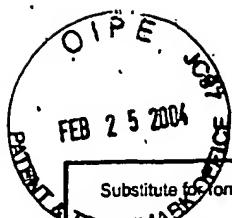
Examiner
Signature

Bob Al

Date
Considered

08/24/06

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² Kind Codes of U.S. Patent Documents at www.uspto.gov or MPEP 801.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.
60137947 v1



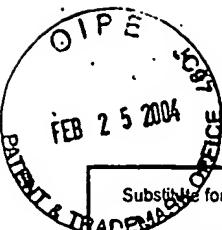
Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Complete If Known	
Sheet	3	of	6	Application Number	10/672,429
				Filing Date	September 26, 2003
				First Named Inventor	Dempcy, Robert O.
				Art Unit	not yet assigned
				Examiner Name	not yet assigned
				Attorney Docket Number	17682A-003650US

NON PATENT LITERATURE DOCUMENTS				
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		T ²
RA	39	Balow et al., <i>Nuc. Acid Res.</i> , 26:3350-3357 (1998)		
	40	Beaucage et al., <i>Tetrahedron</i> 48:2223-2311 (1992)		
	41	Blake et al., <i>Bioinformatics</i> , 15:370-5 (1999)		
	42	Bolli et al., <i>Nucl. Acids Res.</i> , 24:4660-4667 (1996)		
	43	Capaldi et al., <i>Nuc. Acids Res.</i> , 28:E21 (2000)		
	44	Chen et al. <i>Nucleic Acids Res.</i> 23:2661-2668 (1995)		
	45	Draper et al., <i>Biochemistry</i> 19:1774-1791 (1980)		
	46	Eisen, et al., <i>Methods in Enzymology</i> , 303:179-205 (1999)		
	47	Flanagan et al., <i>Nat. Biotechnol.</i> , 14:1139-1145		
	48	Geisen et al. <i>Nucl. Acids Res.</i> , 26:5004-5006 (1998)		
	49	Hacia et al., <i>J. Mol. Genet.</i> , 36:730-736 (1999)		
	50	Hall et al., <i>PNAS</i> 97:8272-77 (2000)		
	51	Heid et al., <i>Genome Res.</i> 6:986-994 (1996)		
	52	J. Chromatogr., B. <i>Biomed. Sci. Appl.</i> 739:139-150 (2000)		
	53	Livak et al., <i>PCT Meth. App.</i> 4:357-362 (1995)		
↓	54	Lohkov, S.G., <i>FEBS Letters</i> 420:134-138 (1997)		

Examiner Signature	<i>Rahul Arl</i>	Date Considered	02/24/08
--------------------	------------------	-----------------	----------

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.



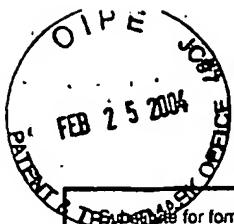
Substitute for form 1449B/PTO				Complete If Known	
				<i>Application Number</i>	10/672,429
				<i>Filing Date</i>	September 26, 2003
				<i>First Named Inventor</i>	Dempcy, Robert O.
				<i>Art Unit</i>	not yet assigned
				<i>Examiner Name</i>	not yet assigned
Sheet	4	of	6	<i>Attorney Docket Number</i>	17682A-003650US

NON PATENT LITERATURE DOCUMENTS				
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		T ²
RA	55	Lyamichev et al., <i>Nature Biotechnol.</i> , 17:292-296 (1999)		
	56	Mueller et al., <i>Histochem. Cell Biol.</i> , 108:431-437 (1997)		
	57	Nielsen et al. <i>Science</i> , 254: 1497-1500 (1991)		
	58	Owczarzy et al. <i>Biopolymers</i> , 44:217-239 (1997)		
	59	Palissa et al., <i>Z. Chem.</i> , 27:216 (1987)		
	60	Pastinen T. et al., <i>Genome Res.</i> , 10:1031-42 (2000)		
	61	Ramzaeva et al., <i>Helv. Chim. Acta</i> , 80:1809-1822 (1997)		
	62	Reddy, et al., <i>Pharmacol. Therap.</i> , 84:1-111 (1999)		
	63	Santalucia et al., <i>Biochem.</i> , 36:10581-10595 (1997)		
	64	Scheit, <i>Nucleotide Analogs</i> , John Wiley, New York (1980)		
	65	Schutz et al., <i>Biotechniques</i> , 27:1218-22 (1999)		
	66	Seela et al., <i>J. Chem. Soc. Perkin Trans.</i> , I:479-488 (1999)		
	67	Seela et al., <i>Nucl. Acids Res.</i> , 28:3224-3232 (2000)		
	68	Singh et al., <i>Chem. Comm.</i> , 455-456 (1998)		
	69	Smith et al., <i>Int. J. Oncol.</i> , 17:841-850 (2000)		
↓	70	Sugimoto et al., <i>Biochem</i> 34:11211-11216 (1995)		

Examiner Signature	<i>Robert O.</i>	Date Considered	08/21/06
--------------------	------------------	-----------------	----------

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.



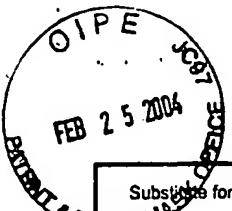
Information Disclosure Statement by Applicant <i>(use as many sheets as necessary)</i>				<i>Complete If Known</i>	
Sheet	5	of	6	Application Number	10/672,429
				Filing Date	September 26, 2003
				First Named Inventor	Dempcy, Robert O.
				Art Unit	not yet assigned
				Examiner Name	not yet assigned
				Attorney Docket Number	17682A-003650US

NON PATENT LITERATURE DOCUMENTS				
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		T ²
RD	71	Taton, T.A. et al., <i>Science</i> , 289:1757-1760 (2000)		
	72	Taylor et al., <i>Tetrahedron</i> , 48(37):8089-8100 (1992)		
	73	Uhlman et al., <i>Chemical Reviews</i> , 90:543-584 (1990)		
	74	Uhlmann et al. <i>Angew. Chem. Ing. Ed.</i> 37:2796-2823 (1998)		
	75	Van Ness et al., <i>Nucleic Acids Res.</i> , 19:5143-5151 (1991)		
	76	Vincent et al. <i>J. Org. Chem.</i> , 64:991-997 (1999)		
	77	Walker, W.L. et al., <i>Biopolymers</i> , 44:323-334 (1997)		
	78	Wemmer, D.E. et al., <i>Current Opinion in Structural Biology</i> , 7:355-361 (1997)		
	79	Wengel J., <i>Acc. Chem Res.</i> , 32:301-310 (1998)		
	80	Zhang et al., <i>Nat. Biotechnol.</i> , 18:862-867 (2000)		
	81	Zimmer, C et al., <i>U. Prog. Biophys. Molec. Bio.</i> 47:31-112 (1986)		
	82	Breslauer, K. J. et al.: "Predicting DNA duplex stability from the base sequence"; <i>Proc. Nat. Acad. Sci.</i> ; 83:3746-3750 (1986)		
	83	Chen, H. et al.: "Computer program for calculating the melting temperature of degenerate oligonucleotides used in PCR or hybridization"; <i>BioTechniques</i> ; 22:6:1158-1160 (1997)		
↓	84	Le Novere, N.: "MELTING, computing the melting temperature of nucleic acid duplex" <i>Bioinformatics</i> ; 17:12:1226-1227 (2001)		

Examiner Signature	<i>Ronald Ad</i>	Date Considered	<i>08/28/06</i>
--------------------	------------------	-----------------	-----------------

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.



Substitute for form 1449B/PTO				Complete If Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT					
(use as many sheets as necessary)					
Sheet	6	of	6	Application Number	10/672,429
				Filing Date	September 26, 2003
				First Named Inventor	Dempcy, Robert O.
				Art Unit	not yet assigned
				Examiner Name	not yet assigned
				Attorney Docket Number	17682A-003650US

Examiner Signature	<i>Rita Al</i>	Date Considered	08/24/06
--------------------	----------------	-----------------	----------

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.



Substitute for form 1449A/PTO-104 INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Complete if Known	
Sheet	1	of	2	Application Number	10/672,429
				Filing Date	September 26, 2003
				First Named Inventor	Dempcy, Robert O.
				Art Unit	1623
				Examiner Name	Not yet assigned
				Attorney Docket Number	17682A-003650US

U.S. PATENT DOCUMENTS+					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number Kind Code ² (if known)			
RA	A1	US-5,594,121	01-1997	Froehler et al.	
	A2	US-5,849,482	12-1998	Meyer et al.	
	A3	US-6,339,147	01-2002	Lukhtanov et al.	
	A4	US-10/302,607	11/20/2002	Petrie et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
		Number ⁴				
		Country Code ³	Kind Code ⁵ (if known)		T ⁶	
RA	B5	WO	84/03285	08-30-1984	Molecular Biosystems	<input type="checkbox"/>
	B6	WO	90/03370	05-05-1990	Microprobe Corporation	<input type="checkbox"/>
	B7	WO	97/46313	12-11-1997	Array Technologies	<input type="checkbox"/>
	B8	WO	98/49180	11-05-1998	Epoch Pharmaceuticals, Inc.	<input type="checkbox"/>
	B9	WO	99/51775	10-14-1999	Epoch Pharmaceuticals, Inc.	<input type="checkbox"/>
	B10	WO	99/51621	10-14-1999	Epoch Pharmaceuticals, Inc.	<input type="checkbox"/>
	B11	WO	00/06771	02-10-2000	Affymetrix, Inc.	<input type="checkbox"/>
	B12	WO	02/12263	02-14-2002	Roche Diagnostics	<input type="checkbox"/>
	B13	EP	1103910 A1	05-30-2001	Schütz et al.	

Examiner Signature	<i>Robert O.</i>	Date Considered	08/24/06
--------------------	------------------	-----------------	----------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² Kind Codes of U.S. Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 If possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

60440755 v1

MAP 14 2005

Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Complete if Known	
Sheet	2	of	2	Application Number	10/672,429
				Filing Date	September 26, 2003
				First Named Inventor	Dempcy, Robert O.
				Art Unit	1623
				Examiner Name	Not yet assigned
				Attorney Docket Number	17682A-003650US

NON PATENT LITERATURE DOCUMENTS				
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		T ²
RA	C14	CLERCQ, E.D. et al. "Nucleic Acid Related Compounds. 40. Synthesis and Biological Activities of 5-Alkynyluracil Nucleosides," <i>J. Med. Chem.</i> , Vol. 26, No. 5:661-666 (1983)		
	C15	CRUICKSHANK, K.A. et al. "Oligonucleotide Labelling: A Concise Synthesis Of A Modified Thymidine Phosphoramidite," <i>Tetrahedron Letters</i> , Vol. 29 No. 41, pp 5221-5224 (1988)		
	C16	GRAHAM, D. et al. "DNA duplexes stabilized by modified monomer residues: synthesis and stability," <i>J. Chem. Soc., Perkin Trans.</i> , 1:1131-1138 (1998)		
	C17	HOBBS, F. W., Jr. "Palladium-Catalyzed Synthesis of Alkynylamino Nucleosides. A Universal Linker for Nucleic Acids," <i>J. Org. Chem.</i> , 54:3420-3422 (1989)		
	C18	ROBINS, M.J. et al. "Nucleic Acid Related Compounds. 39. Efficient Conversion of 5-Iodo to 5-Alkynyl and Derived 5-Substituted Uracil Bases and Nucleosides," <i>J. Org. Chem.</i> , 48:1854-1862 (1983)		
	C19	SEELA, F. et al. "131. 8-Aza-7-deaza-2'-deoxyguanosine: Phosphoramidite Synthesis and Properties of Octanucleotides," <i>Helvetica Chimica Acta</i> , Vol. 71:1191-1197 (1988)		
	C20	SEELA, F. et al. "8-AZA-7-Deazapurine DNA: Synthesis And Duplex Stability Of Oligonucleotides Containing 7-Substituted Bases," <i>Nucleosides & Nucleotides</i> , 18(6&7):1399-1400 (1999)		
	C21	SEELA, F. et al. "Duplex Stability Of Oligonucleotides Containing 7-Substituted 7-DEAZA- AND 8-AZA-7-Deazapurine NucleosideS," <i>Nucleosides & Nucleotides</i> , 16(7-9):963-966 (1997)		
	C22	SEELA, F. et al. "Oligonucleotides Containing Pyrazolo [3,4-d] pyrimidines: The Influence of 7-Substituted 8-Aza-7-deaza-2'-deoxyguanosines on the Duplex Structure and Stability," <i>Helvetica Chimica Acta</i> , Vol. 82:1640-1655 (1999)		
	C23	SEELA, F. et al. "Synthesis of 7-alkynylated 8-aza-7-deaza-2'-deoxyadenosines via the Pd-catalysed cross-coupling reaction," <i>J. Chem. Soc., Perkin Trans.</i> , 1:3233-3239 (1998)		
✓	C24	SEELA, F. et al. "The Influence of Modified Purine Bases on the Stability of Parallel DNA," <i>Bioorganic & Medicinal Chemistry Letters</i> , 10:289-292 (2000)		

Examiner Signature	<i>R. O. Dempcy</i>	Date Considered	03/29/06
--------------------	---------------------	-----------------	----------

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional). ²Applicant is to place a check mark here if English language Translation is attached.